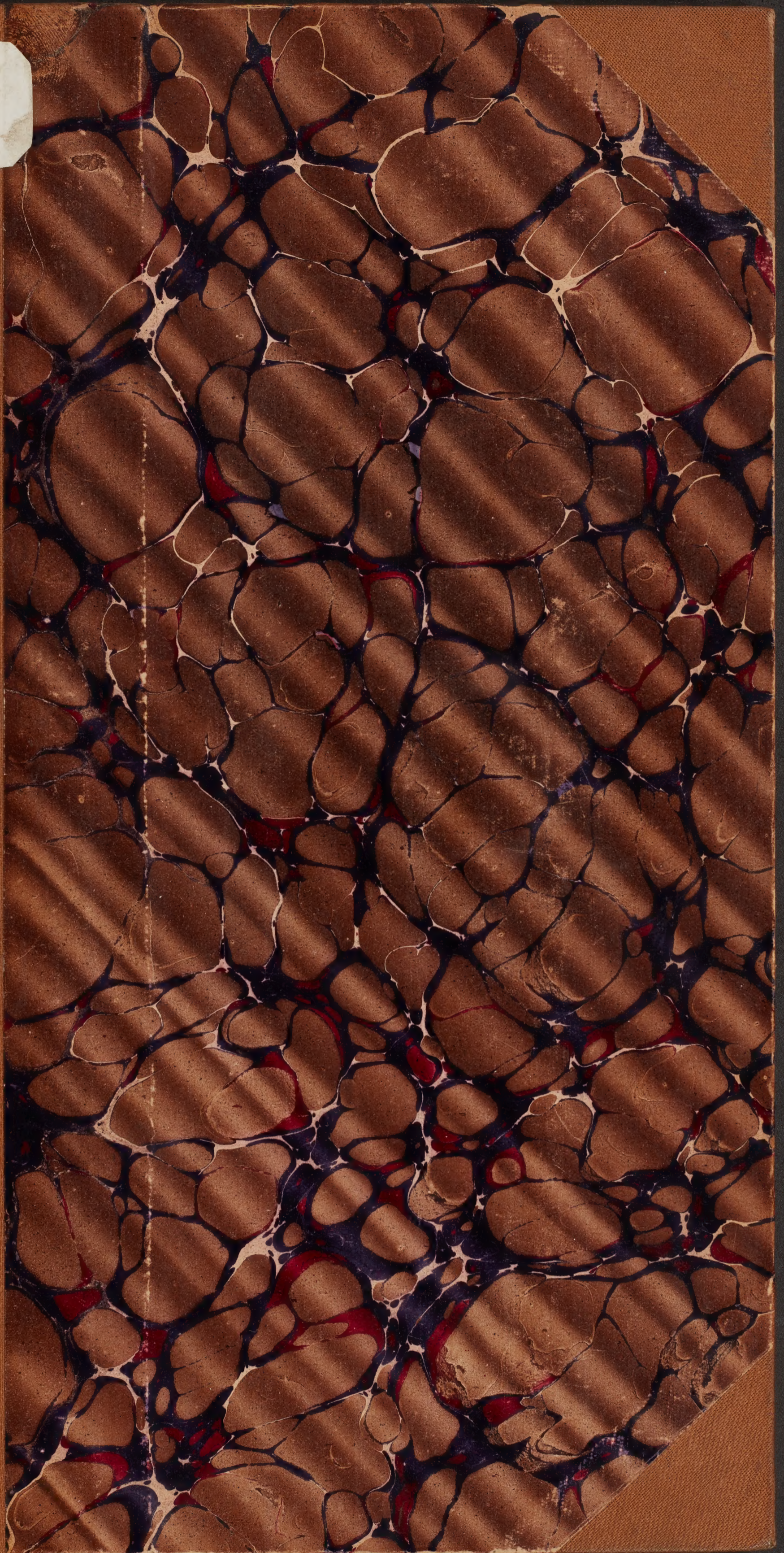


M  
656  
1833 S<sub>3</sub>



3

Log 344

M  
656  
1833 S3

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*towards*

[illegible][illegible]



99 days out

Ship *Jessie* FROM *Boston* TOWARDS *Calcutta*

H.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.
1	8	1	N 2 1/2 E	1 1/2		commence with strong breezes and cloudy weather-
2	8	1	N 2 1/2 E			
3	8	1	N 2 1/2 E			
4	8	1	N 2 1/2 E	1 1/2		at 2 P.M. set Mizen top gallant sail and fore top Mast stud sail
5	8	1	N 2 1/2 E			
6	8	1	N 2 1/2 E			at 4 took in the fore top Mast stud
7	8	1	N 2 1/2 E			
8	8	1	N 2 1/2 E	2 1/2		
9	8	1	N 2 1/2 E			Middle Mast strong breezes took in the top gallant sails
10	8	1	N 2 1/2 E			Morning more moderate set the top gallant sails
11	8	1	N 2 1/2 E			
12	8	1	N 2 1/2 E			Ends with strong breezes and squally weather
1	8	1	N 2 1/2 E			Lat by Obs 24 37 south
2	8	1	N 2 1/2 E			
3	8	1	N 2 1/2 E			
4	8	1	N 2 1/2 E			
5	8	1	N 2 1/2 E			
6	8	1	N 2 1/2 E			
7	8	1	N 2 1/2 E			
8	8	1	N 2 1/2 E			
9	8	1	N 2 1/2 E			
10	8	1	N 2 1/2 E			
11	8	1	N 2 1/2 E			
12	8	1	N 2 1/2 E			

11.7.16  
2.26  
11.9.15  
1.44  
12.0.50

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N 2 1/2 E	200	184	76	25 35	24 37	1 1/4	85	83 32	

H.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.
1	8		N 2 1/2 E	2 1/2		commence with strong breezes and squally weather
2	8			2		
3	8			East		
4	8			2 1/2		at 2 P.M. took in the top gal sails
5	8		N 2 1/2 E			at 7 set them again
6	8		N 2 1/2 E			
7	8		N 2 1/2 E			
8	8					Middle Mast light light breezes and pleasant
9	8					
10	8			East		
11	8		N 2 1/2 E			
12	5					
1	4	1				Latter part light breezes and pleasant
2	4					
3	4					
4	4					sent the fore & Mizen Royal yards aloft & set the sails
5	4		N 2 1/2 E	2 1/2		
6	5					
7	4		N 2 1/2 E			
8	4	1				
9	4	1	N 2 1/2 E			Lat by Obs 23 15 south
10	4	1				
11	4	1				
12	4	1				

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N 2 1/2 E	744	142	22	23 15	23 15	1	24	83 58	

101 days out

Ship <i>Assurance</i> FROM <i>Boston</i> TOWARDS <i>Calcutta</i>							Tuesday Sept 16 <sup>th</sup> - 1844				
H.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.					
1	4		NNE 1/2 E	45 S	1/4	Commences with light breeze and pleasant weather - all sail set on the wind -					
2	4										
3	4										
4	4										
5	4										
6	4										
7	4										
8	5					Midnight took in the Royals at 2 set them again - at 9 took them in -					
9	5										
10	5										
11	5	+	NNE 1/2 E	45 S	1/4	Morning strong breezes and passing clouds - latter part pleasant - set the Royals -					
12	5										
1	5										
2	5										
3	5										
4	5										
5	5										
6	5	/				Set by Obs 20 45 South					
7	5	/									
8	5	/									
9	5	/									
10	5	/									
11	5	/									
12	5	/									
Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.		
NNE	152	149	29	20 45	20 45	1/4	31	84 27			

Wednesday Sept 17 <sup>th</sup> 1844											
H.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.					
1	8		NNE	Set		Comes in with strong trade winds & passing clouds					
2	8										
3	7										
4	7										
5	7										
6	7										
7	7										
8	7					Made start the same					
9	7										
10	7										
11	8					Ends with D. glaucous breeze and all sail set to Advantage -					
12	8										
1	7										
2	7										
3	7										
4	7										
5	7										
6	7					Set by Obs 17 49 South					
7	7										
8	7										
9	7										
10	7										
11	7										
12	7										
Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.		
NNE	178	177	18	17 49	17 49	3/4	19	84 28			

12 0.60  
1.52  
12.212  
178  
12.390

Ship. <i>Jessane</i>		FROM <i>Boston</i>		TOWARDS <i>Calcutta</i>		
H.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.
Thursday Sept 18 <sup>th</sup> 1834						
1	7		N 3 E 2	238		First Boat fine breezes and pleasant weather all sail set on the wind
2	7					
3	6	1				
4	6	1				
5	6	1	N 3 E			
6	7					
7	7					
8	7		N 3 E 2			
9	7		N 3 E	East		Middle Boat as above
10	8	1				
11	6	1				
12	6	1				
1	7					
2	7					Latter Boat gentle breezes and pleasant
3	7					
4	7					
5	8	1	N 3 E	East 38		
6	8					
7	5	1	N 33 E	SE 38		Lat by Ob. 15 15 - north
8	5	1				
9	6	1				
10	6	1				
11	8	1				
12	8	1				
Course.    Dist.    Diff. Lat.    Dep.    Lat. by D. R.    Lat. by Ob.    Varia.    Diff. Long.    Long. in.    Long. by Ob. N 13 E    161    154    47    15 15    15 15    1/2    49    85 34						
H.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.
Friday Sept 19 - 1834						
1	6	1	N 13 E	SE 32		First Boat fine breezes and pleasant weather with all sail at 6 AM the wind inclining to the S
2	6	1				
3	6	1				
4	6	1				
5	7	1				
6	7	1				set the Lamer stud sail
7	8	1				
8	8	1				
9	8	1				
10	8	1		SE 35		
11	8	1				Middle Boat the same
12	8	1				
1	8	1				
2	8	1				
3	8	1				
4	7	1				End. with fresh breezes and cloudy weather
5	7	1				
6	7	1				
7	8	1		SE 32		
8	8	1				
9	8	1				No obs this Day
10	9	1				
11	9	1				
12	9	1				
Course.    Dist.    Diff. Lat.    Dep.    Lat. by D. R.    Lat. by Ob.    Varia.    Diff. Long.    Long. in.    Long. by Ob. N 28 E    191    168    90    12 27    00 00    1/2    23    87 08						

Ship *Jessone* FROM *Boston* TOWARDS *Calcutta*

H.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.
1	8		NNE	SSW		Saturday Sept 20 <sup>th</sup> 1834 Came in with fresh breeze and squally clouds - at 3 squally with rain took in all the light sails at 4 did set the light sails again Midnight - calm & rainy weather -  Morning light breeze from the Eastward with rain - Latter part squally rainy weather in all the light sails -  No Obs this Day
2	8					
3	8					
4	8					
5	3					
6	3					
7	3					
8	4					
9	5					
10	3					
11	3					
12	3					
1	3					
2	1		Calcy	veering		
3	1			East		
4	3		N 3/4 W			
5	2		South			
6	2			East		
7	3					
8	6					
9	6		NNE			
10	8					
11	8		NNE			
12	8					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N 10 E	110	109	19	10 38		1/2	19	87.27	

12.7.42.  
1.11  
12.8.53  
184  
13.037

H.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.
1	8		NNE	SSW		Sunday Sept 21 - 1834 Came in with fresh breezes and squally with rain  Middle part fresh breezes and cloudy weather -  Latter part set the spenker and top Gallant sails  Lat by Obs 7.50 South
2	7					
3	7		NNE			
4	7					
5	7					
6	7					
7	8					
8	8					
9	7					
10	7					
11	7		NNE			
12	7					
1	8					
2	8					
3	8					
4	7					
5	7					
6	8					
7	8					
8	7					
9	7		NNE			
10	7					
11	8					
12	8					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N 24 E	184	188	75	7.50	7.50	1/4	75	88.4	East

107 Days out

Ship *Jessore* FROM *Boston* TOWARDS *Calcutta*

H.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.
1	8		NESE	ESS		Monday Sept 22 <sup>d</sup> 1834
2	8					
3	8					comes in with strong breezes
4	8					and frequent squalls of rain
5	9					at 8 AM took in the top Gallant sails
6	9					
7	9					at 10 more moderate set the top 3 sails
8	9					
9	9		NESE	ESS		
10	8		NESE			Midnight rainy -
11	8					
12	4					
1	5					at 2 AM squally took in the top
2	6					Gallant sails
3	6		South	ESS		
4	6					
5	5		NESE			
6	4		NESE	ESS		After Noon squally rainy
7	5			15		weather took in and set sail
8	6			SSW		as occasion required -
9	6			8		
10	3			ESS		
11	2					Obs none to day -
12	4					

14,0.97  
1.41  
13.14.28  
88  
13.2.45

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
NESE	141	139	22	5.31	5.31	4	22	8909	

H.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.
1	4		NESE	ESS		Tuesday Sept 23 <sup>d</sup> 1834
2	2					
3	1		NESE			comes in with light breezes
4	4					and squally appearances -
5	1		NESE			
6	2					
7	3			NESE		
8	2					After Noon light rain and
9	2		NESE			rainy took in the top Gallant sails
10	2					at 4 set them again -
11	2					
12	2					
1	3		NESE	ESS		at 8 AM set the Royals flying top
2	3					& fore top Mast stand sail -
3	3					
4	4					
5	3		NESE			End with pleasant weather
6	3					
7	4					
8	4			ESS		Lat Obs 4.24 south
9	4		NESE			
10	4					
11	4		NESE	ESS		
12	4					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
NESE	66	64	13	4.27	4.27	4	13	8918	

H.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.
						<i>Wednesday Oct 12th 1894.</i>

1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
11	47	4		22	25			84 37	

H.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.
						<i>Arrived Sept 21 1830</i>

[illegible]

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
100	100	100	30	100	100	100	100	100	100

711 log. and

Ship *Jason* FROM *London* TOWARDS *Calcutta*

II.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.
1			NE	14/15		Being out 24th Nov
2						
3						Came in with light breeze
4						
5						gaily, breeze fresh in the
6						afternoon a squall
7						at 10. Afternoon breeze again
8						light breeze at night
9			NE			
10			NE	14/15		At 3 AM squall of the London
11						and at 6 AM squall, with
12						rain and in the light breeze
1				14/15		
2						The night breeze fresh at 10
3						at the London a fresh breeze
4						
5						Remains strong till 10 & at 11
6						light breeze
7						
8				14/15		Wind with rain squalls and
9						clouds
10						
11						Light breeze from East
12						

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
NE	100	7 1/2	7 1/2	50 30	50 30	0	10	70 30	

II.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.
1			NE	14/15		Monday 24th Nov
2						
3			NE	14/15		Remains with light breeze and
4						light breeze
5			NE	14/15		Remains in morning the wind
6						
7						At 1 PM squall with rain and
8						the light breeze
9						
10						Light breeze from East
11						at 10 AM squall with rain and
12						light breeze from East
1						
2						
3						
4						Wind with rain squalls and
5						clouds
6						
7						
8						
9						
10						
11						
12						

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
NE	100	7 1/2	7 1/2	50 30	50 30	0	10	70 30	

Ship *Deane* FROM *Boston* TOWARDS *Calcutta*

H.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.
1						Sunday Sept 28th 1976
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
101	100	17		30				109	

H.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.
1						Monday Sept 20 1897
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
110	110	110	22	8 28	8 28		110	110	110



Trip journal FROM <i>Bombay</i> TOWARDS <i>Calcutta</i>						
H.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS. <i>Thursday Oct 20-1854</i>
1	4					
2	4					
3	4					
4	4					
5	4					
6	4					
7	4					
8	4					
9	4					
10	4					
11	4					
12	4					
1	4					
2	4					
3	4					
4	4					
5	4					
6	4					
7	4					
8	4					
9	4					
10	4					
11	4					
12	4					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
57	124	129	11	16 7	16 14	11	12	95.5	

124  
129  
11  
16 7  
16 14  
11  
12  
95.5

H.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS. <i>Friday Oct 21-1854</i>
1	4					
2	4					
3	4					
4	4					
5	4					
6	4					
7	4					
8	4					
9	4					
10	4					
11	4					
12	4					
1	4					
2	4					
3	4					
4	4					
5	4					
6	4					
7	4					
8	4					
9	4					
10	4					
11	4					
12	4					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
57	113	111	17	16 5	16 04	11	18	90.24	

H.		K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							

FROM						TOWARDS				
H.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.				
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
Course.		Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.

H.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.				
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
Course.		Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.

[illegible]

Calcutta Journal 1855

FROM

TOWARDS

H.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.
1						Monday morning 22 <sup>d</sup>
2						at 10 AM the ship came on board and
3						at 11 AM the ship came on board and
4						at 12 PM the ship came on board and
5						at 1 PM the ship came on board and
6						at 2 PM the ship came on board and
7						at 3 PM the ship came on board and
8						at 4 PM the ship came on board and
9						at 5 PM the ship came on board and
10						at 6 PM the ship came on board and
11						at 7 PM the ship came on board and
12						at 8 PM the ship came on board and

Monday morning 23<sup>d</sup>

1						at 10 AM the ship came on board and
2						at 11 AM the ship came on board and
3						at 12 PM the ship came on board and
4						at 1 PM the ship came on board and
5						at 2 PM the ship came on board and
6						at 3 PM the ship came on board and
7						at 4 PM the ship came on board and
8						at 5 PM the ship came on board and
9						at 6 PM the ship came on board and
10						at 7 PM the ship came on board and
11						at 8 PM the ship came on board and
12						at 9 PM the ship came on board and

Course. Dist. Diff. Lat. Dep. Lat. by D. R. Lat. by Ob. Varia. Diff. Long. Long. in. Long. by Ob.

H.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.
1						Tuesday morning 24 <sup>th</sup>
2						at 10 AM the ship came on board and
3						at 11 AM the ship came on board and
4						at 12 PM the ship came on board and
5						at 1 PM the ship came on board and
6						at 2 PM the ship came on board and
7						at 3 PM the ship came on board and
8						at 4 PM the ship came on board and
9						at 5 PM the ship came on board and
10						at 6 PM the ship came on board and
11						at 7 PM the ship came on board and
12						at 8 PM the ship came on board and

Course. Dist. Diff. Lat. Dep. Lat. by D. R. Lat. by Ob. Varia. Diff. Long. Long. in. Long. by Ob.

1 June 1835

FROM ... TOWARDS ...

H.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.

H.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.

...

*Hemionus Bonnet from Leicester*

From *Passer* FROM *la senia* TOWARDS *Bacon*

H.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.
1	5		Start	2.8		
2	5					
3	5					Commence work on the house
4	5					and line of the house
5	5					with the house and the house
6	5					
7	5					
8	5					
9	5					
10	5					
11	5					at time on the house
12	5					
1	5					
2	5					
3	5					
4	5					
5	5					
6	5					
7	5					
8	5					
9	5					
10	5					
11	5					
12	5					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
128	127	12	55	12	12	12	12	12	12

H.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.
1	5	1	South			Thunder, January 1879
2	5					
3	5			4.32		commenced with light breeze
4	5					and clear pleasant weather
5	5					with all sail set to advantage
6	5					
7	5					
8	5					
9	5					
10	5					Middle & Lutter Hunt
11	5					as I have
12	5					watch employed in ship
1	5			5.2		Duty
2	5					
3	5					
4	5					
5	5					
6	5					
7	5					Let by the 10.00 o'clock
8	5					
9	5					
10	5					Below 1/2 a mile out
11	5					
12	5					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
100	100	20	10	10	10	10	10	10	10

Sept 11/11

Ship Jesse, Samuel Kennedy,  
Master

Ship Jesse FROM Calcutta TOWARDS Boston

H.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.
1			South	SE		Friday January 21 1851
2						
3						Commenced with fine weather
4						and clear sky with light breeze
5						
6						
7						
8						
9						Light breeze
10						and clear sky
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
South	24 5'	2 42'	2 5'	17 55'	18 55'	20'	20'	17 55'	18 55'

H.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.
1			South	SE		Saturday January 22 1851
2						
3						Commenced with fine weather
4						and clear sky with light breeze
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
South	1 5'	1 5'	1 5'	18 55'	19 55'	20'	20'	18 55'	19 55'



The *Sage* - *Joseph* Home *1832*

FROM <i>Colombo</i> TOWARDS <i>Sunderland</i>						
II.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.
1	2					
2	3					
3	3					
4	3					
5	3					
6	3					
7	3					
8	3					
9	3					
10	3					
11	3					
12	3					
1	3					
2	3					
3	3					
4	3					
5	3					
6	3					
7	3					
8	3					
9	3					
10	3					
11	3					
12	3					
Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.
170	22	14	5	3		

H.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.
1	2					
2	3					
3	3					
4	3					
5	3					
6	3					
7	3					
8	3					
9	3					
10	3					
11	3					
12	3					
1	3					
2	3					
3	3					
4	3					
5	3					
6	3					
7	3					
8	3					
9	3					
10	3					
11	3					
12	3					
Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.
170	22	14	5	3		

*From Calicut*

<i>Ship name</i> FROM <i>Calicut</i> TOWARDS <i>5th 55</i>						
H.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.
1	5					
2	5					
3	5					
4	5					
5	5					
6	5					
7	5					
8	5					
9	5					
10	5					
11	5					
12	5					
1	5					
2	5					
3	5					
4	5					
5	5					
6	5					
7	5					
8	5					
9	5					
10	5					
11	5					
12	5					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
<i>25th</i>	<i>55</i>	<i>1.38</i>	<i>8</i>	<i>no 29</i>	<i>no 82</i>	<i>4.11</i>	<i>no 9</i>	<i>85.3</i>	<i>5.5</i>

H.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.
1	5					
2	5					
3	5					
4	5	1				
5	5					
6	5					
7	5					
8	5					
9	5					
10	5					
11	5	1				
12	5	1				
1	5	1				
2	5					
3	5	1				
4	5					
5	5					
6	5					
7	5					
8	5					
9	5	1				
10	5					
11	5					
12	5					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
<i>South</i>	<i>55</i>	<i>1.38</i>	<i>8</i>	<i>no 29</i>	<i>no 82</i>	<i>4.11</i>	<i>no 9</i>	<i>85.3</i>	<i>5.5</i>

*1.1.85*  
*50*  
*1.2.55*  
*1.2*  
*4.11*

*1.2.55*

II.	K.	H.K.	COURSES.	WINDS.	LFE.	REMARKS.
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

H.	K.	H.R.	COURSES.	WINDS.	LEE.	REMARKS.
1						See by February 8, 1851
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N 70 E	10	10		29 12	29 12				

Ship *Albatross* FROM *London* TOWARDS *San Francisco*

H.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.
1	1	1	1st	1st		Commenced with light air
2	1	1		1st		equally, appearance of rain
3	1	1		1st		
4	1	1		1st		at 4 PM the wind shifted in the eastward
5	1	1		1st		and the night after the first rain
6	1	1		1st		at 1 PM the wind shifted to the eastward
7	1	1	1st	1st		at 1 PM the wind shifted to the eastward
8	1	1		1st		at 1 PM the wind shifted to the eastward
9	1	1		1st		at 1 PM the wind shifted to the eastward
10	1	1		1st		at 1 PM the wind shifted to the eastward
11	1	1	1st	1st		at 1 PM the wind shifted to the eastward
12	1	1		1st		at 1 PM the wind shifted to the eastward
1	1	1		1st		at 1 PM the wind shifted to the eastward
2	1	1		1st		at 1 PM the wind shifted to the eastward
3	1	1		1st		at 1 PM the wind shifted to the eastward
4	1	1		1st		at 1 PM the wind shifted to the eastward
5	1	1	1st	1st		at 1 PM the wind shifted to the eastward
6	1	1		1st		at 1 PM the wind shifted to the eastward
7	1	1		1st		at 1 PM the wind shifted to the eastward
8	1	1		1st		at 1 PM the wind shifted to the eastward
9	1	1		1st		at 1 PM the wind shifted to the eastward
10	1	1		1st		at 1 PM the wind shifted to the eastward
11	1	1		1st		at 1 PM the wind shifted to the eastward
12	1	1		1st		at 1 PM the wind shifted to the eastward

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
1st	13	1		13	1			13	1

H.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.
1	1	1	1st	1st		Commenced with light air
2	1	1		1st		equally, appearance of rain
3	1	1	1st	1st		at 4 PM the wind shifted in the eastward
4	1	1		1st		and the night after the first rain
5	1	1	1st	1st		at 1 PM the wind shifted to the eastward
6	1	1		1st		at 1 PM the wind shifted to the eastward
7	1	1	1st	1st		at 1 PM the wind shifted to the eastward
8	1	1		1st		at 1 PM the wind shifted to the eastward
9	1	1		1st		at 1 PM the wind shifted to the eastward
10	1	1		1st		at 1 PM the wind shifted to the eastward
11	1	1	1st	1st		at 1 PM the wind shifted to the eastward
12	1	1		1st		at 1 PM the wind shifted to the eastward
1	1	1		1st		at 1 PM the wind shifted to the eastward
2	1	1		1st		at 1 PM the wind shifted to the eastward
3	1	1		1st		at 1 PM the wind shifted to the eastward
4	1	1		1st		at 1 PM the wind shifted to the eastward
5	1	1	1st	1st		at 1 PM the wind shifted to the eastward
6	1	1		1st		at 1 PM the wind shifted to the eastward
7	1	1		1st		at 1 PM the wind shifted to the eastward
8	1	1		1st		at 1 PM the wind shifted to the eastward
9	1	1		1st		at 1 PM the wind shifted to the eastward
10	1	1		1st		at 1 PM the wind shifted to the eastward
11	1	1		1st		at 1 PM the wind shifted to the eastward
12	1	1		1st		at 1 PM the wind shifted to the eastward

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
1st	13	1		13	1			13	1

*Samuel Kennedy, Master of*

H.		K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.			
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
Course.		Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.

H.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.				
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
Course.		Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.

21  
 7.10.5  
 49  
 15.40

*James Kennedy Master*

Ship *Wagon* FROM *Cape Cod* TOWARDS *Boston*

H.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.
1	1					
2	1					
3	1					
4	1					
5						
6						
7	1					
8	1					
9	1					
10	1					
11	1					
12	1					
1	1					
2	1					
3	1					
4	1					
5	1					
6	1					
7	1					
8	1					
9	1					
10	1					
11	1					
12	1					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
<i>S. 60 E.</i>	<i>71</i>	<i>28</i>	<i>13</i>	<i>40-4</i>	<i>40-49</i>		<i>1-4</i>	<i>85-1</i>	<i>East</i>

H.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.
1	1					
2	1					
3	1					
4	1					
5	1					
6	1					
7	1					
8	1					
9	1					
10	1					
11	1					
12	1					
1	1					
2	1					
3	1					
4	1					
5	1					
6	1					
7	1					
8	1					
9	1					
10	1					
11	1					
12	1					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
<i>S 47 W</i>	<i>47</i>	<i>28</i>	<i>35</i>	<i>7-17</i>	<i>7-9</i>		<i>38</i>	<i>85-38</i>	<i>East</i>

*1 58*  
*31*  
*18 57*  
*41*  
*5-38*

*Ch. Linn* FROM *Catania* TOWARDS *Syracuse*

H.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.
1	1		120/12	10-12		<i>Monday, June 15 1835</i>
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
120/12	12	10-12		35-14	35-14		10-12	15-14	15-14

H.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.
1	1		120/12	10-12		<i>Monday, June 15 1835</i>
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
120/12	12	10-12		35-14	35-14		10-12	15-14	15-14

*17 12*  
*18 12*  
*19 12*  
*20 12*

FROM *Atlantic* TOWARDS *Boston*

H.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.
1	1					<i>Thursday February 12 1835</i>
2	2					<i>Light rain</i>
3	1					<i>not cloudy with light rain</i>
4	1					<i>at 11 A.M. light rain</i>
5	1					<i>the wind -</i>
6	1					<i>at 11 A.M. light rain</i>
7	2					
8	4					
9	1					<i>Light rain</i>
10	1					<i>Light rain</i>
11	3					
12	2					
1	2					<i>Light rain</i>
2	1					<i>cloudy with light rain</i>
3	1					<i>on the wind</i>
4	1					
5	1					<i>at 11 A.M. light rain</i>
6	1					<i>the wind -</i>
7	1					<i>Light rain</i>
8	1					<i>the wind -</i>
9	1					<i>Light rain</i>
10	1					<i>at 11 A.M. light rain</i>
11	1					<i>the wind -</i>
12	1					<i>Light rain</i>

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
<i>1000</i>	<i>100</i>	<i>10</i>	<i>10</i>	<i>50</i>	<i>50</i>	<i>10</i>	<i>30</i>	<i>50</i>	<i>50</i>

H.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.
1	5					<i>Friday February 13 1835</i>
2	2					<i>Light rain</i>
3	2					<i>the wind -</i>
4	1					<i>at 11 A.M. light rain</i>
5	1					<i>the wind -</i>
6	1					<i>Light rain</i>
7	1					<i>the wind -</i>
8	1					<i>Light rain</i>
9	2					<i>at 11 A.M. light rain</i>
10	2					<i>the wind -</i>
11	2					<i>Light rain</i>
12	2					<i>the wind -</i>
1	1					<i>Light rain</i>
2	1					<i>the wind -</i>
3	1					<i>Light rain</i>
4	3					<i>at 11 A.M. light rain</i>
5	2					<i>the wind -</i>
6	2					<i>Light rain</i>
7	1					<i>the wind -</i>
8	1					<i>Light rain</i>
9	1					<i>at 11 A.M. light rain</i>
10	1					<i>the wind -</i>
11	1					<i>Light rain</i>
12	2					<i>the wind -</i>

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
<i>1000</i>	<i>100</i>	<i>10</i>	<i>10</i>	<i>50</i>	<i>50</i>	<i>10</i>	<i>30</i>	<i>50</i>	<i>50</i>

Fair, Breeze
FROM *Edinburgh*
TOWARDS *Port*

H.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.
1	2		180°	4-6		<i>Thursday, 24th June 1851</i>
2	2					
3	2					<i>Commenced with light breeze</i>
4	2					<i>and fair weather with sun</i>
5	2					<i>10. Sailed</i>
6	2					
7	2					<i>At 1.30 under 1/2 masted sail</i>
8	2					<i>the sun on starboard</i>
9	2		180°			
10	2					
11	2					<i>Under short light breeze</i>
12	2					<i>and variable with light</i>
1	2		180°			<i>breeze</i>
2	2					
3	2					
4	2					<i>During strong wind with</i>
5	2					<i>a light breeze - the sun in sight</i>
6	2					<i>steering to the North East</i>
7	2					
8	2					
9	2		180°			<i>At 1.30 under 1/2 masted sail</i>
10	2					<i>the sun on starboard</i>
11	2					<i>at 4.30 the sun 2 1/2 miles</i>
12	2					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
180°	60	02	35	50 1/2	50 1/2		73	81 1/2	81 1/2

12. 13  
 12. 14  
 12. 15

H.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.
1	2		180°	4-6		<i>Friday, 25th June 1851</i>
2	2					
3	2					<i>Commenced with light breeze</i>
4	2					<i>and fair weather</i>
5	2					
6	2					<i>At 1.30 under 1/2 masted sail</i>
7	2					<i>the sun on starboard</i>
8	2					<i>steering to the North East</i>
9	2					
10	2		180°			<i>At 1.30 under 1/2 masted sail</i>
11	2					<i>the sun on starboard</i>
12	2					<i>at 4.30 the sun 2 1/2 miles</i>
1	2					<i>Under short light breeze</i>
2	2					<i>and variable with light</i>
3	2					<i>breeze</i>
4	2					
5	2					<i>During strong wind with</i>
6	2					<i>a light breeze - the sun in sight</i>
7	2					<i>steering to the North East</i>
8	2					
9	2		180°			<i>At 1.30 under 1/2 masted sail</i>
10	2					<i>the sun on starboard</i>
11	2					<i>at 4.30 the sun 2 1/2 miles</i>
12	2					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
180°	60	02	35	50 1/2	50 1/2		73	81 1/2	81 1/2

12. 16

FROM *Caccatta* TOWARDS *Bersim*

H.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.
1						<i>Saturday February 21-85</i>
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
<i>SE 1/4 E</i>	<i>155</i>	<i>1 1/2 S</i>	<i>58</i>	<i>13 1/2 N</i>	<i>13 1/2 N</i>	<i>0</i>	<i>18</i>	<i>150 1/2 E</i>	<i>150 1/2 E</i>

H.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.
1						<i>Sunday February 22-85</i>
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
<i>SE 1/4 E</i>	<i>160</i>	<i>1 1/2 S</i>	<i>14 1/2</i>	<i>12 1/2 N</i>	<i>12 1/2 N</i>	<i>0</i>	<i>15 1/2</i>	<i>165 1/2 E</i>	<i>165 1/2 E</i>

FROM

TOWARDS

## II.

Course:11.

Course.

Ship FROM *Bahia* TOWARDS *Boston*

H.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.

H.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.

Ship *General* FROM *Catcut* TOWARDS *Boston*

H.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.
1	5		0500			
2	5					
3	5					
4	5					
5	5					
6	5					
7	5					
8	5					
9	5		0500			
10	5					
11	5					
12	5					
1	5		0500			
2	5					
3	5					
4	5		0500			
5	5					
6	5					
7	5		0500			
8	5					
9	5					
10	5					
11	5					
12	5					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
	14	14	138	20.10	20.20	10	2.14	17.44	17.54

H.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.
1	5		0500			
2	5					
3	5					
4	5					
5	5					
6	5					
7	5					
8	5					
9	5					
10	5					
11	5					
12	5					
1	5					
2	5					
3	5					
4	5					
5	5					
6	5					
7	5					
8	5					
9	5					
10	5		0500			
11	5					
12	5					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
		82					2.14	17.54	18.04

2000  
1000  
500  
250

2000



*Shinjyōwa* FROM *Cebu* TOWARDS *Batavia*

H.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.
1	5		W.S.	East		<i>Monday March 2 1841</i>
2	5	1				
3	5					<i>Large white bird seen</i>
4	5					<i>and several others</i>
5	5	1				
6	5					<i>all sail set before the wind</i>
7	5					
8	5					
9	5					
10	5					
11	5					
12	5					<i>At 11 o'clock fine breeze</i>
1	5	1	W.S.			<i>and strong breeze with</i>
2	5					<i>thunder of rain</i>
3	5	1	W.S.			
4	5					
5	5	1				<i>Strong gentle breeze with</i>
6	5					<i>cloudy weather</i>
7	5					
8	5	1				<i>At 4 o'clock a strong breeze</i>
9	5	1				<i>at 5 o'clock the wind shifted</i>
10	5	1				<i>and the rain continued</i>
11	5	1				<i>and the rain continued</i>
12	5	1				<i>at 4 o'clock the rain</i>

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
259° 17'	177	70	117	24.49	24.50	0°	2.09	124.49	126.58

*259° 17'*  
*177*  
*70*  
*117*  
*24.49*  
*24.50*  
*0°*  
*2.09*  
*124.49*  
*126.58*

H.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.
1	5		W.S.	East		<i>Tuesday March 3 1841</i>
2	5					
3	5					<i>Commenced with strong breeze</i>
4	5					<i>and strong rain</i>
5	5					<i>all sail set before the wind</i>
6	5					
7	5					
8	5					
9	5					
10	5					
11	5					
12	5					
1	5					<i>Remained the same</i>
2	5					<i>the strong rain</i>
3	5					<i>and the rain continued</i>
4	5					<i>at 11 o'clock the rain</i>
5	5					<i>and the rain continued</i>
6	5		W.S.			
7	5					<i>At 1 o'clock gentle breeze</i>
8	5					<i>and strong rain</i>
9	5					
10	5					<i>At 4 o'clock the rain</i>
11	5					<i>and the rain continued</i>
12	5					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
259° 17'	177	70	117	24.49	24.50	0°	2.09	124.49	126.58

Ship *John* FROM *Calcutta* TOWARDS *Bombay*  
 H. K. H.K. COURSES. WINDS. LEE. REMARKS. *Thursday March 5-1855*

1	5					
2	5					
3	5					
4	5					
5	5					
6	5					
7	5					
8	5					
9	5					
10	5					
11	5					
12	5					
1	5					
2	5					
3	5					
4	5					
5	5					
6	5					
7	5					
8	5					
9	5					
10	5					
11	5					
12	5					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
<i>10 5 20</i>	<i>112</i>	<i>55</i>	<i>1 15</i>	<i>21 20</i>	<i>21 20</i>	<i>2</i>	<i>1 17</i>	<i>93</i>	<i>21 20</i>

H.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.
1	5					<i>Friday March 6-1855</i>
2	5					
3	5					
4	5					
5	5					
6	5					
7	5					
8	5					
9	5					
10	5					
11	5					
12	5					
1	5					
2	5					
3	5					
4	5					
5	5					
6	5					
7	5					
8	5					
9	5					
10	5					
11	5					
12	5					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
<i>10 5 20</i>	<i>112</i>	<i>55</i>	<i>1 15</i>	<i>21 20</i>	<i>21 20</i>	<i>2</i>	<i>1 17</i>	<i>93</i>	<i>21 20</i>

*San Diego* FROM *Calcutta* TOWARDS *Bombay*

II.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
107 1/2	170	18	1/2	28 30	28 30	2	70	123 1/2	123 1/2

II.	R.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
107 1/2	170	18	1/2	28 30	28 30	2	70	123 1/2	123 1/2

FROM

TOWARDS

H.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.
1	4		1430	14.8		Monday, March 15, 1881
2	5					Commenced with moderate breeze
3	5					and light clouds all day set
4	7					in P.M.
5	7		1430	14.8		
6	7					
7	7					At 12.15 Boat for dinner and
8	7					staying ashore.
9	7					
10	6					At 2 P.M. a rough squall came
11	6					back in the harbor and for
12	6					top Mast that bit -
1	6					
2	6					Boat again with light
3	6					breeze at which boat in
4	6					the harbor. When the squall
5	6					came & again bit
6	6					at 12.15 Boat for dinner and
7	6					staying ashore.
8	6					
9	6					At 11.30 Boat for dinner and
10	6					staying ashore.
11	6					
12	6					At 10.15 Boat for dinner and

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
1430	14.8		14.8	27.8	27.8	2	2.50	38.05	37.29

H.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.
1	5		1430	14.8		Tuesday, March 16, 1881
2	5					Commenced with moderate breeze
3	5					and light clouds all day set
4	5					in P.M.
5	5					
6	5					
7	5					
8	5					
9	5					
10	5					
11	5					
12	5					
1	5					
2	5					
3	5					
4	5					
5	5					
6	5					
7	5					
8	5					
9	5					
10	5					
11	5					
12	5					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
1430	14.8		14.8	27.8	27.8	2	2.50	38.05	37.29



*St. Michaels Island*

FROM *Labrador* TOWARDS *Spain*

H.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
13	100	1	11	33 57	33 50	1	1	30	20 1

H.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
13	100	1	11	33 57	33 50	1	1	30	20 1

FROM *Catania* TOWARDS *Palermo*

H.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.

H.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.

## TOWARDS

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. Long.	Long. in.	Long. by Ob.
S. 69° W.	10.5	18.7	1.8	39 50	39 50	N. 6. E.	4.5	74 57	74 55

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
100	10	10	10	10-55	10-56	28	9-12	10-10	10-10

FROM *C. Smith*

TOWARDS 5

II.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
1125	10	2	17	38 07	38 32	25	2 02	112 3	110 5

H.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.
1						Friday June 2nd
2						Left at 10:00 AM
3						Weather clear
4						Wind light
5						Sea calm
6						Arrived at 12:00 PM
7						Left at 1:00 PM
8						Weather clear
9						Wind light
10						Sea calm
11						Arrived at 3:00 PM
12						Left at 4:00 PM
1						Weather clear
2						Wind light
3						Sea calm
4						Arrived at 6:00 PM
5						Left at 7:00 PM
6						Weather clear
7						Wind light
8						Sea calm
9						Arrived at 9:00 PM
10						Left at 10:00 PM
11						Weather clear
12						Wind light

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
1	10	1	1	3	3			1	1

FROM

TOWARDS

H.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.
1	5					
2	5					
3	5					
4	5					
5	5					
6	5					
7	5					
8	5					
9	5					
10	5					
11	5					
12	5					
1	5					
2	5					
3	5					
4	5					
5	5					
6	5					
7	5					
8	5					
9	5					
10	5					
11	5					
12	5					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
54.28	11	1.21	1.5	28.51	2.05	11	1.25	12	

H.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.
1	5					
2	5					
3	5					
4	5					
5	5					
6	5					
7	5					
8	5					
9	5					
10	5					
11	5					
12	5					
1	5					
2	5					
3	5					
4	5					
5	5					
6	5					
7	5					
8	5					
9	5					
10	5					
11	5					
12	5					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
54.28	11	1.21	1.5	28.51	2.05	11	1.25	12	

FROM *Calcutta* TOWARDS *Bombay*

H.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.
1						<i>Monday March 23 1835</i>
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
<i>N 42° E</i>	<i>115</i>	<i>45</i>	<i>57</i>	<i>21° 00'</i>	<i>21° 14'</i>	<i>14'</i>	<i>85</i>		<i>65</i>

H.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.
1						<i>Tuesday March 24 1835</i>
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
<i>N 42° E</i>	<i>115</i>	<i>45</i>	<i>57</i>	<i>21° 00'</i>	<i>21° 14'</i>	<i>14'</i>	<i>85</i>		<i>65</i>

*171  
2036  
-75*

*597 21 200*

FROM

TOWARDS

H.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.
1				112		
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N 4	119	88	74	23 42	23 42	1/2	87		1657

H.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.
1						
2	5					
3	5					
4	5					
5	5					
6	1					
7	4					
8	4					
9	4					
10	4					
11	4					
12	4					
1	4					
2	4					
3	4					
4	4					
5	4					
6	4					
7	4					
8	4					
9	4					
10	4					
11	4					
12	4					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N 4	119	88	74	23 42	23 42	1/2	87		1657

FROM						TOWARDS										
II.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.	Friday March 27, 1845									
1	3		45° 30'	SE		- Commenced with moderate S.W. wind and pleasant weather all day - anchored in the evening										
2	3															
3	3															
4	3															
5	3															
6	3															
7	3															
8	3															
9	3															
10	3															
11	3															
12	3															
1	3					- Morning light - anchoring at 8 o'clock - all day - fine weather - with strong S.W. wind - at 10 o'clock - Lat. 43° 21' N. - with										
2	3															
3	3															
4	3															
5	3															
6	3															
7	3															
8	3															
9	3															
10	3															
11	3															
12	3															
Course.							Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.	
45° 30'							48	0° 4'	76'	43° 21'	43° 21'	15'	75'	52° 15'	52° 15'	

II.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.	Saturday March 28, 1845									
1	3		45° 30'	SE		- Commenced with S.W. wind - and pleasant weather - all day - anchored in the evening										
2	3															
3	3															
4	3															
5	3															
6	3															
7	3															
8	3															
9	3															
10	3															
11	3															
12	3															
1	3					- Morning light - anchoring at 8 o'clock - all day - fine weather - with strong S.W. wind - at 10 o'clock - Lat. 43° 21' N. - with										
2	3															
3	3															
4	3															
5	3															
6	3															
7	3															
8	3															
9	3															
10	3															
11	3															
12	3															
Course.							Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.	
45° 30'							48	0° 4'	76'	43° 21'	43° 21'	15'	75'	52° 15'	52° 15'	

FROM *London* TOWARDS *Wester*

H.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by
100	100	100	9	14 15	14 15	1/2	31	14 15	14 15

H.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by
100	100	13	110	14 55	15 45	1/2	1 54	1 25	5 14

*red water - 1st of the day*  
*10 1/2 days*

Aug 4-1894 FROM - Calcutta TOWARDS Baiton

H.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.
1						
2						
3						
4						
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11						
12						

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.

H.	K.	H.K.	COURSES.	WINDS.	LEE.	REMARKS.
1						
2						
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4						
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12						

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.

Aug 5-1894

Ship from <i>Lakeville</i> towards <i>Barter</i>										
H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.	<i>Friday April 22 - 1854</i>			
1							<i>Surrounded with moderate breeze and pleasant weather with no rain not before the point</i>  <i>Middle and latter part the wind and weather by more - with all hands employed steering down sea -</i>  <i>Lat is the 22.40 south</i>			
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
Course.		Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
<i>N 55 W</i>		<i>113</i>	<i>29</i>	<i>19</i>	<i>22.47</i>	<i>22.40</i>	<i>1/2</i>	<i>10</i>	<i>17.40</i>	<i>17.50</i>

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.	<i>Saturday April 23 - 1854</i>			
1							<i>Surrounded with moderate breeze and pleasant weather all day with the first indication of evening breeze falling in the afternoon and the long boat down</i>  <i>Middle part light breeze and pleasant</i>  <i>all the time with all hands employed steering</i>  <i>Lat is the 21.40 south</i>			
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
Course.		Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
<i>N 55 W</i>		<i>20</i>	<i>14</i>	<i>10</i>	<i>21.52</i>	<i>21.40 1/2</i>	<i>1/2</i>	<i>10</i>	<i>17.40</i>	<i>17.50</i>

*Ship's Journal from Station towards Boston*

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Dist.	Fill. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
80-70	123	60	102	10.42	10.40	12	10.7	10.4	10.4

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1						
2						
3						
4						
5						
6						
7						
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10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Dist.	Fill. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
80-70	140	73	108	10.25	10.25	12	10.8	10.3	10.4

*70 miles*

from Calcutta towards Boston

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1						Monday April 6-1845
2				16		Light breeze and
3						clear weather with all
4						sail set before the wind
5						
6						
7						Light breeze and
8						clear weather
9						at daylight a small shower
10						of rain -
11						
12						
1						Light breeze and
2						clear weather all hands
3						employed in stowing the
4						on deck
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N 74 W	125	20	95	21 2	21 4	24	23	174 14	185

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1						Tuesday April 7-1845
2						Light breeze and
3						clear weather
4						at daylight the wind
5						
6						
7						Light breeze and
8						clear weather
9						
10						
11						
12						
1						Light breeze and
2						clear weather
3						at daylight the wind
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N 74 W	140	27	111	25 5	25 25	14	152	184 14	201 3

from <i>St. Vincent</i> towards <i>St. John</i>																										
H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.																				
1	5		<i>North</i>			<i>Proceeding with fair breeze</i>																				
2	5		<i>North</i>			<i>and flying a fair</i>																				
3	5					<i>at 2 P.M. squally with rain</i>																				
4	5					<i>and in the afternoon the wind</i>																				
5	5					<i>at 4 P.M. at the anchorage</i>																				
6	5																									
7	5																									
8	5																									
9	5																									
10	5					<i>Went to the anchorage</i>																				
11	5					<i>at 10 P.M. - Weather</i>																				
12	5																									
1	5					<i>Proceeding with fair breeze</i>																				
2	5					<i>and flying a fair</i>																				
3	5					<i>at 2 P.M. squally with rain</i>																				
4	5					<i>and in the afternoon the wind</i>																				
5	5					<i>at 4 P.M. at the anchorage</i>																				
6	5																									
7	5																									
8	5																									
9	5																									
10	5					<i>Went to the anchorage</i>																				
11	5					<i>at 10 P.M. - Weather</i>																				
12	5																									
<table><tr><td>Course.</td><td>Dist.</td><td>Diff. lat.</td><td>Dep.</td><td>Lat. by D. R.</td><td>Lat. by Ob.</td><td>Varia.</td><td>Diff. Long.</td><td>Long. in.</td><td>Long. by Ob.</td></tr><tr><td><i>North</i></td><td><i>138</i></td><td><i>72</i></td><td><i>148</i></td><td><i>52 47</i></td><td><i>52 47</i></td><td><i>1/2</i></td><td><i>2 00</i></td><td><i>21 41</i></td><td><i>21 41</i></td></tr></table>							Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.	<i>North</i>	<i>138</i>	<i>72</i>	<i>148</i>	<i>52 47</i>	<i>52 47</i>	<i>1/2</i>	<i>2 00</i>	<i>21 41</i>	<i>21 41</i>
Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.																	
<i>North</i>	<i>138</i>	<i>72</i>	<i>148</i>	<i>52 47</i>	<i>52 47</i>	<i>1/2</i>	<i>2 00</i>	<i>21 41</i>	<i>21 41</i>																	
H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.																				
1	5		<i>North</i>			<i>Proceeding with fair breeze</i>																				
2	5		<i>North</i>			<i>and flying a fair</i>																				
3	5					<i>at 2 P.M. squally with rain</i>																				
4	5					<i>and in the afternoon the wind</i>																				
5	5					<i>at 4 P.M. at the anchorage</i>																				
6	5																									
7	5																									
8	5																									
9	5																									
10	5					<i>Went to the anchorage</i>																				
11	5					<i>at 10 P.M. - Weather</i>																				
12	5																									
1	5					<i>Proceeding with fair breeze</i>																				
2	5					<i>and flying a fair</i>																				
3	5					<i>at 2 P.M. squally with rain</i>																				
4	5					<i>and in the afternoon the wind</i>																				
5	5					<i>at 4 P.M. at the anchorage</i>																				
6	5																									
7	5																									
8	5																									
9	5																									
10	5					<i>Went to the anchorage</i>																				
11	5					<i>at 10 P.M. - Weather</i>																				
12	5																									
<table><tr><td>Course.</td><td>Dist.</td><td>Diff. lat.</td><td>Dep.</td><td>Lat. by D. R.</td><td>Lat. by Ob.</td><td>Varia.</td><td>Diff. Long.</td><td>Long. in.</td><td>Long. by Ob.</td></tr><tr><td><i>North</i></td><td><i>130</i></td><td><i>78</i></td><td><i>144</i></td><td><i>52 20</i></td><td><i>52 20</i></td><td><i>1/2</i></td><td><i>2 00</i></td><td><i>21 41</i></td><td><i>21 41</i></td></tr></table>							Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.	<i>North</i>	<i>130</i>	<i>78</i>	<i>144</i>	<i>52 20</i>	<i>52 20</i>	<i>1/2</i>	<i>2 00</i>	<i>21 41</i>	<i>21 41</i>
Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.																	
<i>North</i>	<i>130</i>	<i>78</i>	<i>144</i>	<i>52 20</i>	<i>52 20</i>	<i>1/2</i>	<i>2 00</i>	<i>21 41</i>	<i>21 41</i>																	

4 days from New York

from *Wilmington* towards *Boston*

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	5					Commenced with moderate breeze
2	5					and falling clouds
3	5					at 11 AM squally appearance
4	5					took in the day sails
5	5					
6	5					
7	5					Midnight moderate breeze
8	5					and falling clouds
9	5					at 1 AM squally with
10	5					rain took in the fore
11	5					main mizzen at 3.45 - at
12	5					them again
1	5					Morning from 11 recent weather
2	5					settled and fair
3	5					and with a good breeze and all
4	5					sail - at 10 AM
5	5					the match took in the main
6	5					the span glass & clearing the
7	5					barometer - Lat 41 30 N
8	5					
9	5					
10	5					
11	5					
12	5					

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N 1/2 E 1/2 S	14	1 1/2		41 14	41 30	1	2 1/2	65 45	67 30

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	5					Commenced with a breeze and
2	5					falling clouds - the water very
3	5					low showing the bottom
4	5					for a while
5	5					
6	5					
7	5					Midnight a strong breeze
8	5					and falling clouds
9	5					at 1 AM squally with
10	5					rain took in the fore
11	5					main mizzen at 3.45 - at
12	5					them again
1	5					Morning from 11 recent weather
2	5					settled and fair
3	5					and with a good breeze and all
4	5					sail - at 10 AM
5	5					the match took in the main
6	5					the span glass & clearing the
7	5					barometer - Lat 41 30 N
8	5					
9	5					
10	5					
11	5					
12	5					

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N 1/2 E 1/2 S	13 1/2	1 1/2		41 14 1/2	41 30	1	2 1/2	65 45	67 30

Days out

<div> <i>from</i> <i>towards</i> </div>										
H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.				
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
<div> Course.   Dist.   Diff. lat.   Dep.   Lat. by D. R.   Lat. by Ob.   Varia.   Diff. Long.   Long. in.   Long. by Ob. </div>										
<div> <i>12-15</i>   <i>100</i>   <i>17</i>   <i>5</i>   <i>0</i>   <i>10</i>   <i>10</i>   <i>10</i>   <i>10</i>   <i>10</i>   <i>10</i> </div>										
H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.				
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
<div> Course.   Dist.   Diff. lat.   Dep.   Lat. by D. R.   Lat. by Ob.   Varia.   Diff. Long.   Long. in.   Long. by Ob. </div>										
<div> <i>12-15</i>   <i>100</i>   <i>17</i>   <i>5</i>   <i>0</i>   <i>10</i>   <i>10</i>   <i>10</i>   <i>10</i>   <i>10</i>   <i>10</i> </div>										

*of day out and in the*

from

towards

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1						Commenced with light air and
2						fine weather all day.
3						
4						
5						
6						from 10 to 12 squally appearance
7						with rain & squalls & much
8						cloud in the short space & clouds
9						not clearing & rain & lightning
10						from 10 to 12
11						at 10 to 12
12						at 10 to 12
1						at 10 to 12
2						at 10 to 12
3						at 10 to 12
4						at 10 to 12
5						at 10 to 12
6						at 10 to 12
7						at 10 to 12
8						at 10 to 12
9						at 10 to 12
10						at 10 to 12
11						at 10 to 12
12						at 10 to 12

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N 94 W 57	47	49	22	1.43	1.4	2	32	31.4	33.0

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1						Commenced with light air and
2						fine weather all day.
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N 94 W 57	99	22	32	2.86	2.8	2	32	31.4	

80 200 miles

from <i>St. Louis</i> towards <i>St. Louis</i>																
H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.										
1			<i>N. by E.</i>			<i>Light breeze with fresh sea and</i>										
2			<i>N. by E.</i>			<i>and gradually fresh in the evening</i>										
3			<i>N. by E.</i>			<i>at 10 P.M. wind increased and</i>										
4			<i>N. by E.</i>			<i>the course was made for 2 miles</i>										
5			<i>N. by E.</i>			<i>and fresh in the afternoon</i>										
6			<i>N. by E.</i>			<i>fair</i>										
7			<i>N. by E.</i>			<i>Light breeze with fresh sea and</i>										
8			<i>N. by E.</i>			<i>and gradually fresh in the evening</i>										
9			<i>N. by E.</i>			<i>at 10 P.M. wind increased and</i>										
10			<i>N. by E.</i>			<i>the course was made for 2 miles</i>										
11			<i>N. by E.</i>			<i>and fresh in the afternoon</i>										
12			<i>N. by E.</i>			<i>fair</i>										
1			<i>N. by E.</i>			<i>Light breeze with fresh sea and</i>										
2			<i>N. by E.</i>			<i>and gradually fresh in the evening</i>										
3			<i>N. by E.</i>			<i>at 10 P.M. wind increased and</i>										
4			<i>N. by E.</i>			<i>the course was made for 2 miles</i>										
5			<i>N. by E.</i>			<i>and fresh in the afternoon</i>										
6			<i>N. by E.</i>			<i>fair</i>										
7			<i>N. by E.</i>			<i>Light breeze with fresh sea and</i>										
8			<i>N. by E.</i>			<i>and gradually fresh in the evening</i>										
9			<i>N. by E.</i>			<i>at 10 P.M. wind increased and</i>										
10			<i>N. by E.</i>			<i>the course was made for 2 miles</i>										
11			<i>N. by E.</i>			<i>and fresh in the afternoon</i>										
12			<i>N. by E.</i>			<i>fair</i>										
							Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
									<i>26</i>	<i>15</i>	<i>7 18</i>	<i>50</i>	<i>1</i>	<i>25</i>	<i>32. 30</i>	<i>32. 30</i>

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.										
1			<i>N. by E.</i>			<i>Light breeze with fresh sea and</i>										
2			<i>N. by E.</i>			<i>and gradually fresh in the evening</i>										
3			<i>N. by E.</i>			<i>at 10 P.M. wind increased and</i>										
4			<i>N. by E.</i>			<i>the course was made for 2 miles</i>										
5			<i>N. by E.</i>			<i>and fresh in the afternoon</i>										
6			<i>N. by E.</i>			<i>fair</i>										
7			<i>N. by E.</i>			<i>Light breeze with fresh sea and</i>										
8			<i>N. by E.</i>			<i>and gradually fresh in the evening</i>										
9			<i>N. by E.</i>			<i>at 10 P.M. wind increased and</i>										
10			<i>N. by E.</i>			<i>the course was made for 2 miles</i>										
11			<i>N. by E.</i>			<i>and fresh in the afternoon</i>										
12			<i>N. by E.</i>			<i>fair</i>										
1			<i>N. by E.</i>			<i>Light breeze with fresh sea and</i>										
2			<i>N. by E.</i>			<i>and gradually fresh in the evening</i>										
3			<i>N. by E.</i>			<i>at 10 P.M. wind increased and</i>										
4			<i>N. by E.</i>			<i>the course was made for 2 miles</i>										
5			<i>N. by E.</i>			<i>and fresh in the afternoon</i>										
6			<i>N. by E.</i>			<i>fair</i>										
7			<i>N. by E.</i>			<i>Light breeze with fresh sea and</i>										
8			<i>N. by E.</i>			<i>and gradually fresh in the evening</i>										
9			<i>N. by E.</i>			<i>at 10 P.M. wind increased and</i>										
10			<i>N. by E.</i>			<i>the course was made for 2 miles</i>										
11			<i>N. by E.</i>			<i>and fresh in the afternoon</i>										
12			<i>N. by E.</i>			<i>fair</i>										
							Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
								<i>4</i>	<i>30</i>	<i>10</i>	<i>200</i>	<i>40</i>	<i>2</i>	<i>20</i>	<i>37. 30</i>	<i>37. 30</i>

Ship from Calcutta towards Borneo

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
North	200	88	189	5 34	5.40	6	2-23	34.33	70.4

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
North	192	87	186	7 04	7 11	7	2-40	41.0	63.0

4 Days from the end of the

*Ship* from *Columbia* towards *B...*

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1						Monday April 20 <sup>th</sup> 1894
2						Commenced with strong breeze
3						and blowing from the
4						with all sail set
5						
6						
7						
8						Midnight fresh breeze
9						took in the Main
10						
11						
12						
1						Morning fine clear
2						at the main by sail
3						the watch employed in
4						clearing out the
5						and
6						and
7						Lat by the 2-47 North
8						
9						
10						
11						
12						

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N 51 W	178	108	32	44 40	44 41	2	133	43 32	45 41

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1						Tuesday April 21 <sup>st</sup> 1894
2						Commenced with strong
3						at the anchor and
4						with all running sail set
5						the watch employed in
6						and the
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N 53 W	200	120	15	19 40	19 47	2	243	41 14	43 54

*80 fms from land*

Ship *Albatross* from *San Francisco* towards *San Pedro de Macoris*

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
174	174	73	104	12 23			6.44	42.57	57 12

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
175	175	76	104	13 28	13 25		2.38	57.34	53.38

*Albatross* from *San Francisco* towards *San Pedro de Macoris*

*Angkor* from *Lauvalla* towards *Boston*

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.

*Angkor* from *Lauvalla* towards *Boston*

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.

*Angkor* from *Lauvalla* towards *Boston*

from *London* towards *London*

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	1		SW	SW		Commenced with much business and
2	1		SW	SW		clear pleasant weather with all
3	1		SW	SW		driving sail set to the best advantage
4	1		SW	SW		
5	1		SW	SW		
6	1		SW	SW		
7	1		SW	SW		
8	1		SW	SW		
9	1		SW	SW		
10	1		SW	SW		
11	1		SW	SW		
12	1		SW	SW		
1	1		SW	SW		
2	1		SW	SW		
3	1		SW	SW		
4	1		SW	SW		
5	1		SW	SW		
6	1		SW	SW		
7	1		SW	SW		
8	1		SW	SW		
9	1		SW	SW		
10	1		SW	SW		
11	1		SW	SW		
12	1		SW	SW		

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N 45 W	175	124	124	14-32	14-31	m.	2-11	58-58	58-58

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	1		SW	SW		Commenced with much business and
2	1		SW	SW		pleasant weather with all business
3	1		SW	SW		sail set
4	1		SW	SW		at 5-10 AM I was in with the
5	1		SW	SW		to the south and west
6	1		SW	SW		
7	1		SW	SW		
8	1		SW	SW		
9	1		SW	SW		
10	1		SW	SW		
11	1		SW	SW		
12	1		SW	SW		
1	1		SW	SW		
2	1		SW	SW		
3	1		SW	SW		
4	1		SW	SW		
5	1		SW	SW		
6	1		SW	SW		
7	1		SW	SW		
8	1		SW	SW		
9	1		SW	SW		
10	1		SW	SW		
11	1		SW	SW		
12	1		SW	SW		

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N 45 W	181	150	150	21-08	21-08		1-48	58-48	58-48

12 by the wind and sea

from Calcutta towards Bencoolen

H.	K.	H. K.	Courses.	Winds.	Lec.	Remarks.
1	8		180°	180°		Light breeze with light breeze, wind
2	8		180°	180°		pleasant weather
3	8		180°	180°		all sail set
4	8		180°	180°		
5	8		180°	180°		
6	8		180°	180°		
7	8		180°	180°		At 10 AM the wind freshened
8	8		180°	180°		pleasant
9	8		180°	180°		
10	8		180°	180°		
11	8		180°	180°		At 10 AM the wind freshened
12	8		180°	180°		pleasant weather
1	8		180°	180°		all sail set
2	8		180°	180°		
3	8		180°	180°		At 10 AM the wind freshened
4	8		180°	180°		pleasant
5	8		180°	180°		
6	8		180°	180°		At 10 AM the wind freshened
7	8		180°	180°		pleasant
8	8		180°	180°		
9	8		180°	180°		At 10 AM the wind freshened
10	8		180°	180°		pleasant
11	8		180°	180°		
12	8		180°	180°		At 10 AM the wind freshened

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
180°	174	1° 44'	17	25 40	25 30	10	1, 44'	122 28'	122 28'

H.	K.	H. K.	Courses.	Winds.	Lec.	Remarks.
1	8		180°	180°		Light breeze with light breeze, wind
2	8		180°	180°		pleasant weather
3	8		180°	180°		all sail set
4	8		180°	180°		
5	8		180°	180°		
6	8		180°	180°		
7	8		180°	180°		
8	8		180°	180°		At 10 AM the wind freshened
9	8		180°	180°		pleasant
10	8		180°	180°		
11	8		180°	180°		At 10 AM the wind freshened
12	8		180°	180°		pleasant weather
1	8		180°	180°		all sail set
2	8		180°	180°		
3	8		180°	180°		At 10 AM the wind freshened
4	8		180°	180°		pleasant
5	8		180°	180°		
6	8		180°	180°		At 10 AM the wind freshened
7	8		180°	180°		pleasant
8	8		180°	180°		
9	8		180°	180°		At 10 AM the wind freshened
10	8		180°	180°		pleasant
11	8		180°	180°		
12	8		180°	180°		At 10 AM the wind freshened

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
180°	174	1° 44'	17	25 40	25 30	10	1, 44'	122 28'	122 28'

14 days - to and fro

from *Calicut* towards *London*

H.	K.	H.K.	Courses.	Winds.	Lec.	Remarks.
1	8		1000	East		Commenced with fine breeze and pleasant weather
2	8					
3	5					
4	5					At 2 P.M. took the English Barge
5	5					14 days from Calicut to London
6	4					
7	4					
8	4					
9	4					
10	4					
11	4					Middle of Moderate breeze
12	4					
1	3					Morning pleasant all land
2	3					employment in hunting ship
3	3					but tide
4	1					
5	1					
6	2					
7	2					
8	3					
9	3					
10	4					Lat & Lon 27-33 North
11	4					
12	4					

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N 22 W	41	84	34	27-33	37-33		38	12-22	12-19

H.	K.	H.K.	Courses.	Winds.	Lec.	Remarks.
1	3		300	East		Commenced with light breeze and pleasant weather
2	3					
3	4					
4	4					
5	2					
6	2					
7	2					
8	2					
9	1					
10	1					
11	2					
12	2					
1	2					
2	2					
3	2					
4	2					
5	2					
6	2					
7	2					
8	2					
9	3					
10	3					
11	3					
12	2					

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N 22 W	42	84	34	27-33	27-25		38	12-22	12-27

12191

91

55

2342

12191

91

55

2342

12191

91

55

2342

12191

91

55

2342

12191

91

55

2342

12191

91

55

2342

*from* *towards*

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1	5		170°			Commenced with moderate breeze
2	5					and clear weather with
3	5					all the sails set
4	5		180°			
5	5		180°			
6	5		180°			
7	5		180°			
8	5		180°			
9	5		180°			
10	5		180°			
11	5		180°			
12	5		180°			
1	5		180°			
2	5		180°			
3	5		180°			
4	5		180°			
5	5		180°			
6	5		180°			
7	5		180°			
8	5		180°			
9	5		180°			
10	5		180°			
11	5		180°			
12	5		180°			

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
170°	118	158	49	31-49	31-49		44	135-45	135-45

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1	6		180°			Commenced with moderate breeze
2	6					and clear weather with
3	6					all the sails set
4	6		180°			
5	6		180°			
6	6		180°			
7	6		180°			
8	6		180°			
9	6		180°			
10	6		180°			
11	6		180°			
12	6		180°			
1	6		180°			
2	6		180°			
3	6		180°			
4	6		180°			
5	6		180°			
6	6		180°			
7	6		180°			
8	6		180°			
9	6		180°			
10	6		180°			
11	6		180°			
12	6		180°			

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
180°	70	11	17	32-15	32-15		1-11	135-45	135-45

*8-10 miles from head*

Ship from *London* towards *Boston*

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	4	1	SE	SE		commenced with a hard SE wind
2	4	1				and sea running with a rough
3	4	1				sea in from the SE
4	4	1				at 10th equally appearance
5	4	1	SE	SE		in the fore part in the main
6	4	1				
7	4	1	SE	SE		
8	4	1				
9	4	1				
10	4	1				
11	4	1	SE	SE		gales and
12	4	1	SE	SE		a hard sea running
1	4	1				
2	4	1				
3	4	1				as above with strong land
4	4	1				the quality of appearance
5	4	1				
6	4	1				
7	4	1				Lat by 29 33 - 2.00
8	4	1				
9	4	1				
10	4	1				
11	4	1				
12	4	1				

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
SE	85	57	15	33 3	33 7		1.17	67 19	67 58

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	3	1	SE	SE		commenced with moderate breeze
2	3	1				the SE wind and strong clouds
3	3	1				with a rough sea from the SE
4	3	1	SE	SE		at 4 still the wind inclining to the NW
5	3	1	SE	SE		more this
6	3	1	SE	SE		
7	3	1	SE	SE		
8	3	1	SE	SE		
9	3	1	SE	SE		
10	3	1	SE	SE		
11	3	1	SE	SE		
12	3	1	SE	SE		
1	3	1	SE	SE		
2	3	1	SE	SE		
3	3	1	SE	SE		
4	3	1	SE	SE		
5	3	1	SE	SE		
6	3	1	SE	SE		
7	3	1	SE	SE		
8	3	1	SE	SE		
9	3	1	SE	SE		
10	3	1	SE	SE		
11	3	1	SE	SE		
12	3	1	SE	SE		

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
SE	32	20	10	33 35	33 35	14	22	67 37	67 51

*from* *La Nouvelle* *towards* *Boston*

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1	5		100	SE		commenced with fresh breeze and
2	5					pleasant weather with light
3	5					land breeze with light
4	5					land breeze with light
5	5					land breeze with light
6	5					land breeze with light
7	5					land breeze with light
8	5					land breeze with light
9	5					land breeze with light
10	5					land breeze with light
11	5					land breeze with light
12	5					land breeze with light
1	5					land breeze with light
2	5					land breeze with light
3	5					land breeze with light
4	5					land breeze with light
5	5					land breeze with light
6	5					land breeze with light
7	5					land breeze with light
8	5					land breeze with light
9	5					land breeze with light
10	5					land breeze with light
11	5					land breeze with light
12	5					land breeze with light

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N 2 E 1/2 W	109	95	57	55-1	55-1	0	12	12-9	13-4

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1	5		100	SE		commenced with fresh breeze and
2	5					pleasant weather with light
3	5					land breeze with light
4	5					land breeze with light
5	5					land breeze with light
6	5					land breeze with light
7	5					land breeze with light
8	5					land breeze with light
9	5					land breeze with light
10	5					land breeze with light
11	5					land breeze with light
12	5					land breeze with light
1	5					land breeze with light
2	5					land breeze with light
3	5					land breeze with light
4	5					land breeze with light
5	5					land breeze with light
6	5					land breeze with light
7	5					land breeze with light
8	5					land breeze with light
9	5					land breeze with light
10	5					land breeze with light
11	5					land breeze with light
12	5					land breeze with light

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N 45 W	127	13	47	55-51	55-42	0	105	14-24	15-29

Long. 1850 from Calcutta towards Port Blair

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	1					Low water - with strong breeze
2	1					at 10 AM the wind calmed & the
3	1					water became calm & the
4	1					at 1 PM the wind calmed & the
5	1					water became calm & the
6	1					at 2 PM the wind calmed & the
7	1					water became calm & the
8	1					at 3 PM the wind calmed & the
9	1					water became calm & the
10	1					at 4 PM the wind calmed & the
11	1					water became calm & the
12	1					at 5 PM the wind calmed & the
1	1					Low water - with strong breeze
2	1					at 1 PM the wind calmed & the
3	1					water became calm & the
4	1					at 2 PM the wind calmed & the
5	1					water became calm & the
6	1					at 3 PM the wind calmed & the
7	1					water became calm & the
8	1					at 4 PM the wind calmed & the
9	1					water became calm & the
10	1					at 5 PM the wind calmed & the
11	1					water became calm & the
12	1					at 6 PM the wind calmed & the

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
187-12	15	21	11	37-3	37-4	1	75	15-40	15-51

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	1					Low water - with strong breeze
2	1					at 1 PM the wind calmed & the
3	1					water became calm & the
4	1					at 2 PM the wind calmed & the
5	1					water became calm & the
6	1					at 3 PM the wind calmed & the
7	1					water became calm & the
8	1					at 4 PM the wind calmed & the
9	1					water became calm & the
10	1					at 5 PM the wind calmed & the
11	1					water became calm & the
12	1					at 6 PM the wind calmed & the
1	1					Low water - with strong breeze
2	1					at 1 PM the wind calmed & the
3	1					water became calm & the
4	1					at 2 PM the wind calmed & the
5	1					water became calm & the
6	1					at 3 PM the wind calmed & the
7	1					water became calm & the
8	1					at 4 PM the wind calmed & the
9	1					water became calm & the
10	1					at 5 PM the wind calmed & the
11	1					water became calm & the
12	1					at 6 PM the wind calmed & the

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
182-3	103	64	11	36-28	36-28	1	102	60-22	68-38

Long by the brought page

*towards*

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.			
1	1					came in with strong breeze and			
2	1					heavy rain then at 3.40 the			
3	1					appearance but in the night			
4	8					staying with at 10.00			
5	1					by 1.00 & by 2.00			
6	1					under the main sail and			
7	1					under the main sail and			
8	1					under the main sail and			
9	1					under the main sail and			
10	1					under the main sail and			
11	1					under the main sail and			
12	1					under the main sail and			
1	1					at 4.00 the main sail			
2	1					under the main sail and			
3	1					under the main sail and			
4	1					under the main sail and			
5	1					under the main sail and			
6	1					under the main sail and			
7	1					under the main sail and			
8	1					under the main sail and			
9	1					under the main sail and			
10	1					under the main sail and			
11	1					under the main sail and			
12	1					under the main sail and			
Course.	Dist.	Lat. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N 10 E	12.5	12.0	81	40.00	11.00	4	1.04	17.00	17.00

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.			
1	1					came in with strong breeze and			
2	1					heavy rain then at 3.40 the			
3	1					appearance but in the night			
4	8					staying with at 10.00			
5	1					by 1.00 & by 2.00			
6	1					under the main sail and			
7	1					under the main sail and			
8	1					under the main sail and			
9	1					under the main sail and			
10	1					under the main sail and			
11	1					under the main sail and			
12	1					under the main sail and			
1	1					at 4.00 the main sail			
2	1					under the main sail and			
3	1					under the main sail and			
4	1					under the main sail and			
5	1					under the main sail and			
6	1					under the main sail and			
7	1					under the main sail and			
8	1					under the main sail and			
9	1					under the main sail and			
10	1					under the main sail and			
11	1					under the main sail and			
12	1					under the main sail and			
Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N 10 E	12.5	12.0	81	40.00	11.00	4	1.04	17.00	17.00

from

towards

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.					
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
Course.		Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.	

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.					
1											
2											
3											
4											
5											
6											
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